



Northwestern Division Convention

“The Northwest: Where Ham Radio is Growing”



Photo © City of Seaside Visitors Bureau

Seaside Convention Center

Seaside, Oregon

June 3, 4 and 5, 2016

www.seapac.org



Sponsored by the Oregon Tualatin Valley Amateur Radio Club

Co-sponsored by the Clark County Amateur Radio Club


Welcome to SEA-PAC!

It is our pleasure to welcome you to *SEA-PAC*, the premier Ham Convention in the Northwest. While it is always hard to improve on the fantastic work of past events, the *SEA-PAC* committee is committed to making your visit with us both pleasurable and memorable. Some subtle changes are made each year as we continue to grow with new technology and experience.

This past year has also seen much growth and awareness of our hobby. The ranks of amateur radio are at an all-time high and recent disasters have highlighted the continuing need for "Hams" to respond. At the beginning of 2016 the number of amateurs had risen to 726,275 in the US. "When all else fails, call on a Ham" is seen on some T-shirts. The hams of the world have always stepped up in the time of need and provided that much needed communication link. We are also seeing more interest from younger people as they find that amateur radio is not only fun, but also educational. Whether that be "rag chewing" with someone in another country or building "homebrew" equipment. Yes, "home brewing" still exists and there are some wonderful kits available.

So, as we embark on year 34, please know that your continued support for *SEA-PAC* is greatly appreciated. We remain proud of our history and that our attendees come not only from Oregon, but from Washington, Idaho, Montana, Northern California, and Canada. Thank you all for your fantastic support!

Co-sponsored by the Clark County Amateur Radio Club with assistance by other area clubs.



Herbert L. Hirst, K7HLH
President
Oregon Tualatin Valley Amateur Radio Club
SEA-PAC Convention Sponsoring Club



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V.E. EXAM SESSION

*Amateur License Exams at Our Savior's Lutheran Church—East Parish Hall
(North — across the street from the Convention Center)*

One Session—Saturday at 9 AM

SEA-PAC WELCOMES OUR ARRL GUESTS

Rick Roderick, K5UR, ARRL President lives north of Little Rock, Arkansas on a 50 acre hilltop QTH. He has worked 370 countries, including 314 countries on 160 meters, 351 countries on 80 meters, 353 countries on 40 meters, and 152 countries on 6 meters. He holds DXCC on 10 bands and is ranked 5th in the world on the DXCC Challenge Award. He holds over 20 different Worked All Zones Awards, and was one of the first to achieve Worked All Zones on 160 meters.



He's been a ham for over 40 years. He's a Life Member of the ARRL and has held numerous ARRL volunteer positions continuously for all of those 44 plus years. He served on the ARRL DX Advisory Committee and was chairman for many years. He has also served on CQ Magazine's DX Advisory Committee for 40 years. He was instrumental in the creation and implementation of Logbook of the World, and the DXCC Challenge Award. He has been on the ARRL Board of Directors for 20 years and formerly served as ARRL First Vice President. He loves ham radio!



Norm Fusaro, W3IZ, has been a licensed Amateur since 1984. An Extra class operator, he enjoys contesting and DXing and casual operating on the HF bands. He is a member of the Frankford Radio Club, a contesting club centered in Philadelphia, PA. Norm is a native of Pennsylvania and grew up in Philadelphia and the surrounding suburbs.

Before joining the ARRL in 2004, Norm had taught many Amateur Radio licensing classes and has mentored dozens of hams. He is proud of the fact that many of these people that he has tutored have given back to the Amateur community by becoming active operators, mentors and officers in local clubs. Norm has prepared a presentation about the 2016 National Parks on the Air event. Norm and Sean Kutzko, KX9X, developed and launched this immensely popular operating event. You're guaranteed an entertaining and informative program from one of the NPOTA architects.

SEA-PAC WELCOMES OUR ARRL GUESTS



Bob Inderbitzen, NQ1R, is the manager for marketing at ARRL. He and his staff are responsible for ARRL membership and publication marketing. Bob collaborates with other staff, contributing to benefits, services and products enjoyed by all ARRL members. In 2014, he served as the convention manager for the national ARRL Centennial Convention held in Hartford, Connecticut. Bob regularly attends ARRL's national conventions and Dayton Hamvention as part of the team that organizes and operates ARRL exhibits. He

also coordinates ARRL's representation at Europe's largest, annual-held Amateur Radio exhibition in Friedrichshafen, Germany. He enjoys speaking with members and volunteers about ARRL membership recruitment, benefits and services. Bob obtained his first ham radio license, KA2PZD (Novice-class) in 1981. He attributes his early interest in Amateur Radio to a fascination with electronics and a patient middle school vice principal who decided to conduct an Amateur Radio class. Bob says, "I was the only student who enjoyed being sent to the vice principal's office. That's where the radio was!" Bob earned the call sign NQ1R when he upgraded to Amateur Extra class in 1989.



James E. (Jim) Fenstermaker, K9JF, was elected an Honorary Vice President of the ARRL at the January 2016 Board Meeting. He is a retired CPA, and was the Northwestern Division Vice-Director and Director for a combined fifteen + years. He served on many ARRL committees including Finance & Administration (as chair), Executive, Programs & Services, and Grassroots/Legislative Action. His task as ARRL 2nd Vice President was to serve as the chairperson of the League's Strategic Planning Working Group whose work was

adopted by the ARRL Board in January 2016. Jim also was a member of the HF Band Planning Committee. He continues as a Board member of the ARRL Foundation. He has been an ARRL member for 50 years. An avid contester and DXer with 368 DXCC entities confirmed, Jim is included among those holding #1 DXCC Honor Roll - all current DXCC entities worked and confirmed and recently achieve the DXCC Challenge 2500 award having confirmed over 2,500 band/entities from 160 through 6 meters.

SEA-PAC WELCOMES OUR NWD GUESTS

James (Jim) D. Pace, K7CEX, ARRL Northwestern Division

Director has been an advocate for Amateur Radio, for 58 years, since getting his first license in 1957. Jim served as an OES, DEC, SEC and ASM in Western Washington, gaining experience and working his way up to Section Manager and Washington State RACES Officer. While working as SM and SRO, Jim worked hard to develop good relationships between Western Washington Amateur Radio and our served agencies, such as: Department of Natural Resources, FEMA Region 10 RF Division, Washington Emergency Management Division, Washington State Patrol and State Guard, and many others including our County Emergency Managers. While serving as SRO, Jim formed an EmComm working group with membership from all three State MARS units, FEMA Region 10, State EMD and ARES, to foster a working arrangement between the organizations. On January 1, 2013, Jim started new chapter in his Ham Radio career, as the Vice Director of the ARRL Northwestern Division. On January 1, 2014, he became the Director of the Northwestern Division. Jim currently not only serves as NW Division Director, but also serves as chair of the ARRL Administration and Finance Committee, and as a member of the Legal Defense and Programs Committee. The ARRL Board members also elected Jim to the ARRL Foundation Board, which oversees annual Grants and Scholarships awarded, promoting Amateur Radio and the post-secondary education of Science, Medicine and Engineering.



Bonnie Altus, AB7ZQ, ARRL Northwestern Division Vice-

Director, works as an instructor and department chair for the Health Information Management program at Portland Community College. She has worked in education for 7 years and in the healthcare field for 24 years. Bonnie was first licensed in 1997 while working as a hospital information systems and telecommunications manager. She upgraded to an extra class license during 1998. Bonnie was elected as the Oregon Section Manager in 2006 and served in that position until appointed to complete a term as the Northwestern Division Vice Director in 2014. Prior to serving in ARRL elected positions, she was an ARES Emergency Coordinator and Assistant Emergency Coordinator in Yamhill County and a president of the McMinnville Amateur Radio Club. She has been the net manager and net control for various nets. ARES and other emergency preparedness activities have been her primary interest in ham radio and she is actively involved in ARES and club activities in Yamhill and Polk Counties. She has a B.S. degree in Business Education from Cal State LA and an M.S. degree in Information Management from University of Oregon.



SCHEDULE OF EVENTS

Friday, June 3

Friday Workshop: DX—Shilo Inn—Ballroom.....	9:00 AM - 5:00 PM
Friday Workshop: SDR— Conv Center—Seaside A/B/C ..	9:00 AM - 5:00 PM
Friday Workshop: DIY—Conv Center—Riverside A/B/C ..	9:00 AM - 5:00 PM
Registration Open	11:00 AM - 8:00 PM
Exhibitor/Flea Market Set-Up	11:00 AM - 8:00 PM
Friday Workshops Lunch (Shilo Inn).....	12:00 Noon

Saturday, June 4

Exhibitor/Flea Market Set-Up.....	7:30 AM - 9:00 AM
Registration Open	8:00 AM - 4:30 PM
VE Exams (Pre-registered).....	9:00 AM
(Our Saviour's Lutheran Church - East Parish Hall)	
Exhibits & Flea Market Open	9:00 AM - 4:30 PM
Snack Bar.....	9:00 AM - 4:30 PM
Seminars (Convention Center).....	10:00 AM - 5:00 PM
Hourly Prizes	10:00 AM - 3:00 PM
YL Luncheon (Shilo Inn).....	11:30 AM - 12:45 PM
With Nancy Rabel Hall , KC4IYD	
DX Luncheon (Shilo Inn).....	11:30 AM - 12:45 PM
With Norm Fusaro., W3IZ,	
ARRL Forum (Seaside B).....	1:00 PM - 2:00 PM
SEA-PAC Prizes	2:30 PM - 3:00 PM
Pre-Banquet Happy Hour.....	6:00 PM - 7:00 PM
SEA-PAC Banquet (Convention Center).....	7:00 PM

Sunday, June 5

Registration.....	8:30 AM - 12:00 Noon
Exhibits & Flea Market Open	9:00 AM - 12:00 Noon
Hourly Prizes	9:00 AM - 11:00 AM
Seminars (Convention Center)	10:00 AM - 12:00 Noon
Snack Bar.....	9:30 AM - 2:00 PM
Major Prizes (Convention Center)	1:00 PM - 2:00 PM
Convention Closes.....	2:00 PM

BANQUET

SEA-PAC is very pleased to welcome Nancy Rabel Hall, NASA



Nancy Rabel Hall is a research scientist and project manager working in the International Space Station (ISS) and Human Health Office at the NASA Glenn Research Center in Cleveland, Ohio. She is the project manager for several ISS experiments studying the behavior of liquid crystals, two phase flow, flow boiling and condensation systems. Nancy is an avid ham radio operator, KC4IYD. Her experiments fly aboard the International Space Station.

In 2008, the 15th Allan Severson Memorial Award was presented to Nancy. The Allan Severson Memorial Award is the highest honor of the Ohio Section of the American Radio Relay League. Hall is one of only four women who have received the award since its inception. Hall has worked for NASA for 25 years, and has served as president of the NASA Glenn Amateur Radio Club.

Banquet Awards

Yaesu - VX-6R 144/220/440 HT

Cat Tails Designs - Earrings

Macy's - Gift Certificates

Netflix (1 year subscription)

Samsung - Galaxy Tab 4 Reader w/7" screen

Banquet Master of Ceremonies: Everett Curry, W6ABM

Dining Music by Paul and April Van Dyke

SEA-PAC Pocket Lanyard

New this year!

New this year is a *SEA-PAC* Lanyard that you can purchase for only \$5 at the Extra Ticket booth in the lobby.

This timeless lanyard has a clear pocket in the front for your name badge, a zippered pocket on the top to hold lunch, banquet, or raffle tickets and other small items, and a clear pocket on the back to hold the free pocket book of *SEA-PAC* activities to refer to while attending the convention.



C.A.R.S. Country Store

As a service to flea market buyers the C.A.R.S. (Cascade Amateur Radio Society) club provides a testing center for equipment. A power supply, voltmeter, service monitor, oscilloscope and frequency counter are a part of our testing equipment. Check out what you are considering buying. Neither C.A.R.S. nor *SEA-PAC* can accept responsibility for the condition of any equipment nor can be held responsible for any damage as a result of use of test gear. As an additional service to the amateur radio community, C.A.R.S. also provides a Country Store where rigs and other equipment will be displayed for sale. Have a piece of gear to sell? As an additional service, we will consign it for you at a reasonable charge. Remember, your boat anchor is someone else's dream machine!

EXHIBITORS

Alpha Antenna
Amateur Radio Relay Group (ARRG)
Arlan Communications
Battery Tech
Bridgecom Systems
Buddipole
Cat Tails Design
Data Environment
DC Power
E&M Embroidery
Elecraft
Elk Antennas
Flex Radio Systems
FUE Enterprises
Gap Antenna Products
Ham Radio Outlet
Hi-Tech Liquidators
Hip Ham Shirts
ICOM America
J. Poles
Kenwood USA
Lido Mounts
Martronics
Military Affiliate Radio System
MFJ Enterprises

NW Digital Radio
Oregon ACES
Pacific Amateur Radio Guild
Portable Rotation
Precise RF
QRPworks, LLC
QSL Bureau / ARRL 7
Quarter Century Wireless Assoc
Rescue Tape NW
RT Systems
Seaside Tsunami ARS
SteppIR
Sunset Empire Amateur Radio Club
Suzie Solar
TAPR
Thrive
Tigertronics
Ventenna
West Mountain Radio
Western Case Company
Wired Communications
Yaesu USA
Young Ladies Radio League (YLRL)

Due to publication deadlines we apologize for any changes or omissions.

PRIZE DONORS

Prizes Donated By

ARRL
Buddipole Antennas
Cat Tails Design
DC Power, LLC
DX Engineering
DX Store
E & M Embroidery
Elk Antennas
Flex Radio Systems
Fue Enterprises
Gap Antenna Products
Ham Radio Outlet
Hip Ham Shirts
Hi-Tech Liquidators
Hot Press Ham Hats
ICOM America
J Poles
Kenwood USA
NW Digital Radio
Precise RF
Pulse Electronics (Larson)
Rescue Tape N/W
RF Adapter Guy
RT Systems
SteppIR Antennas
Suzie Solar
Ventenna
Western Case
West Mountain Radio
Wired Communications

Merchants Donating Prizes

Seaside OR

Best Western Ocean View Resorts
Bigfoot's Steak House
Camp 18 Restaurant & Gift Shop
Dooger's Seafood & Grill
Escape Lodging
Inn at Seaside
Motel 6 at Seaside
Norma's Seafood & Steak
Pig 'N Pancake
Portland Fudge
Sam's Seaside Café
Seaside Chamber of Commerce
Seaside Helicopters
Shilo Inns Suites Hotel
Pizza Harbor

Nehalem OR

Nehalem Bay Wines

Portland OR

Outback Steak House



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on Instagram!
(seapac_hamradio)

*Please express your appreciation to the many dedicated volunteers, vendors,
and flea-marketers that made SEA-PAC 2016 possible.*

The SEA-PAC committees are listed on page 34.

Prizes

ALL PRIZES SUBJECT TO CHANGE
Sunday, 1:00 - 2:00 pm

Early Bird

Need not be present

Registrations received by April 15, 2016

- Yaesu - FT-8800R 144/440 Mobile
- Kenwood - TM-281A 144 Mobile
- Icom - IC-T70A HD 144/440 HT
- Kenwood - TH-D72A 144/440 HT
- Icom - V80 Sport 144 HT

Major Prizes

Need not be present

- Yaesu - FT-8800R 144/440 Mobile
- Kenwood - TH-K20A 144 HT
- Icom - IC-T70A HD-15 144/440 HT
- Yaesu - FT1DR 144/440 A/D HT
- West Mountain Radio - RIGBlaster Advantage

Hourly prizes posted for two hours
in the lobby and on stage.

Each hourly drawing will include a
**Baofeng UV-82L Dual Band HT w/
speaker Mic.**



Like **SEA-PAC**
on Facebook!
(SEA-PAC)

Major Prizes

- ICOM - IC-7300 HF/50MHz Transceiver
- Kenwood - TS-590SG HF/50 MHz Transceiver
- ICOM - IC-718 HF Transceiver
- Yaesu - FTM-100DR 144/440 A/D Mobile
- B-Tech UV-2501+220 144/220/440 Mobile
- Kenwood - TH-F6A 144/220/440 HT
- Yaesu - FT2DR 144/440 A/D HT
- Buddipole - Buddistick Antenna
- DX Engineering - Gift Certificates
- Elk Antennas - Antenna
- Feit Electric - 42" LED Utility Shop Light
- GoPro - Hero HD Sport Camera
- Heil - Pro Set Elite 6 Headset
- ICOM - Gift Certificates
- Magnavox - 40" LED TV
- MFJ - MFJ-226 Antenna Expert Analyzer
- SteppIR - SARK 110 Antenna Analyzer
- SteppIR - CrankIR Vertical Antenna
- Suzie Solar - Nomad 27 Solar Panel
- Tigertronics - SignalLink USB Sound Card - Radio Interface
- Ventenna - Antenna

Monte L. Simpson, AF7PQ
Western Washington Section Manager

Monte Simpson, AF7PQ, was first licensed as a Technician in 1992 as KB7RID. He then upgraded in 2007 to General and to Extra in April 2015. For over 20 years he has been an active operator, promoting Amateur Radio and the ARRL at every opportunity. He served as an AEC, EC, DEC, ASEC, OO and ASM in Western Washington. He is member of the VHF/UHF Century Club (VUCC). As Section Manager, he works hard to strengthen Amateur Radio in Western Washington. The ARES program is head and shoulders above other programs in the country. Our OO program is the most active in the nation, logging several hundred hours of monitoring each month. The Technical Specialist program has transformed into a Technical Assistance program, for the benefit of all Hams - new or old. He believes the health of the ARRL and continued growth are based on the key components of our Affiliated Clubs and the VE program. We need to attract young energetic hams into our ranks. ARRL is truly an organization of diversity in many aspects.



Monte, and his wife June of 48 years, have 2 children: Tiffany, who lives in Bremerton and Lamont who lives in Dallas, TX. He is employed full time by the State of Washington where he is a public safety communications manager. For the past six years he has served in the Washington State Guard. He is currently the Washington State RACES Officer and is working with emergency management professionals to prepare Washington ARES/RACES for Cascadia Rising 2016, which is a major earthquake exercise that will take place in June 2016.

2016 is ...
the ARRL's 102nd year,
SEA-PAC's 34nd year,
and the YLRL's 77th year

DX Luncheon Speaker

Norm Fusaro, W3IZ



Norm is a native of Philadelphia and has been a licensed Amateur since 1984. He is a DX'er but enjoys casual operating on the HF bands, too. In addition to Amateur Radio, Norm enjoys outdoor activities and often combines the two by operating portable from campsites around the country.

YL Luncheon Speaker

Nancy Rabel Hall, KC4IYD

“What My Teachers Taught Me About Life”



The worst grade Nancy Hall ever got was in science. She was in fourth grade. She thought science was boring. That changed in sixth grade. Ms. Hall had a wonderful science teacher who inspired her to do experiments at home. When she got older, she studied space science in college.

Nancy has been involved in YLRL for many years, serving in the Ohio Section, nationally, and internationally. She is an active ham and helps others become active in amateur radio.

Future *SEA-PAC* convention events

2017—ARRL Wouff-Hong Ceremony

2018—*SEA-PAC* CW Proficiency Event

Plan to attend!

Mark Tharp, KB7HDX

Eastern Washington Section Manager



Mark Tharp, KB7HDX, has been licensed since 1989 and holds an amateur Extra Class license. He is a Life Member of the ARRL and has held numerous ARRL volunteer positions. Mark has held Section level positions of EC, DEC, OOC, ASM and AD. Mark's other amateur radio activities include, contesting, repeater building, hamfests', VE testing, and being an Elmer. He feels it is important for amateur operators to be involved by promoting and participating in not only League activities but amateur radio as a whole. "73 and Welcome to *SEA-PAC*."

***SEA-PAC* 2016 PIN Design Winner**



Barry Isseks became licensed with the novice call WV2MPY at the age of 12 in Brooklyn, New York and is Celebrating 56 years of continuous activity in Amateur Radio. He has seen the phenomenal changes in radio technology, from the vacuum tube era, to the digital revolution of today. Most



exciting, he recalls, was the sunspot cycle of very early 60's and the unequalled world-wide propagation it afforded for DX'ers of the day. Also he recalls fondly his many years of teaching science, weaving in threads of the physics of radio, teaching after school ham radio classes and arranging a wonderful school contact with the Space Shuttle Endeavour in 1994. Barry now lives in the San Francisco Bay Area. His activity in radio today, in addition to daily HF contacts with the many friends that have been made over the years, includes using Emergency Communications training to volunteer with the County Sheriff Office of Emergency Services, and work with the Mt. Diablo Amateur Radio Club, (MDARC), covering radio related public service events. He says he is proud to be a small part of the contribution dedicated hams have made, not only to the progress of radio technology, but as a true backbone of service to the community which goes largely unheralded.



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SEMINAR SCHEDULE

See Pages 20 & 21 for Seminar Synopsis

(use row number THEN column letter (e.g. "3A"))

Day	Time		Riverview A	Riverview B
			A	B
Sat	1000-1050	1	Why join the ARRL? (K7ICY/NQ1R)	National Parks on the Air (W3IZ)
Sat	1100-1150	2	EYEWARN Disaster Information Reporting (NO7DE)	Keeping Your Sanity and Not Starving in an Emergency (N7XBY)
Sat	1200-1250	3	Web Based ARES Management and Reporting in Idaho (AI7H)	Long-life Batteries (AA6RV)
Sat	1315-1415	4	Arduino & Raspberry Pi Technology (K7MEX)	What is CERT and Why Should I Care? (AA6RV)
Sat	1505-1555	5	History of the Ham Radio Callsign (W7VO)	Awards and Paper- chasing (K9JF)
Sat	1605-1655	6	Using N1MM Contest Logging Software Effectively (W7VO)	VHF/UHF/Microwave SDR transceiver (W7FU)
Sun	1000-1050	7	Get Active, Get Involved, Get on the Air (NQ1R)	
Sun	1100-1150	8		Yaesu C4FM System Fusion (W7PM)

SEMINAR SCHEDULE

Riverview C	Seaside A	Seaside B/C
C	D	E
Getting Started with Amateur Digital Modes (K7TMG)		Inside Elecraft (WA6HHQ)
Inspiring the "coolness" Factor in Ham Radio (KG7GWD)		ARRL Forum: Into the 21st Century (K7CEX/K5UR/AB7ZQ)
Get on the Air and Use Your License (N7QMT)		Magnetic Loop Antennas: How To (N0TES)
Flex-6000 for Contesting and Dxing (N5AC)	How to Get Youth Involved in Amateur Radio (K7APS)	MFJ Story (Stubbs)
Fun with Satellites (WA9ONY)	Ham Friendly DSP (W7FU)	2016: The Year of the /P Operator (N7UN)
Show Me the Money! Scholarship Opportunities for Hams (N7XBY)	FCC Rules and Legal Issues (K2ASP)	Logbook of the World (W3IZ)
		How to Succeed on 10m (W7CAR)
		Station Building (W3IZ)

SEMINAR SUMMARIES

1A	Ken Tolliver (K7ICY); Bob Inderbitzen (NQ1R): ARRL has represented ham radio interests for over 100 years. Why should you join? Come learn the benefits to you, and to ham radio in a larger sense. We need you!
1B	Norm Fusaro (W3IZ): Help the National Park Service celebrate their centennial by contacting stations in national parks across the county. How fun is that? Learn how to find out about other operations, and join the fun.
1C	Sholto Fisher (K7TMG): Digital modes get the signal through even when the bands sound "dead". Learn how to get started with the fun and gain skill for use during emergencies
1E	Eric Swartz (WA6HHQ): Elecraft is one of a few US ham radio manufacturers. Learn more about the Elecraft story from one of the founders.
2A	John Gaynor (N07DE): Disasters of various kinds are just waiting to happen. How will your county gather information on what happened and where it happened? Come learn how hams in Clark County, WA are doing it.
2B	Nicole Crosby (N7XBY): After the adrenaline wears off during an emergency, good food makes the long hours so much more bearable. Learn emergency food and food prep options.
2C	Monica Fredrickson (KG7GWD): Ham radio is cool. Grab a few components, solder them together, throw a wire in a tree and you're talking around the world. That's cool. Really cool. Let's discuss how we can show the "ham coolness"
2E	Jim Pace (K7CEX); Rick Roderick (K5UR); Bonnie Altus (AB7ZQ): Meet Rick Roderick, ARRL President, Jim Pace, NW Division Director, Bonnie Altus, NW Division Vice Director, and Section Managers. Ask questions, learn what is coming in amateur radio.
3A	Ed Stuckey (A17H): ARRL Idaho Section developed a web-based tool to support Idaho ARES. Learn how this tool might help your county and section prepare for emergencies.
3B	David Malin (AA6RV): Learn about batteries that continue working longer than most. Keep talking when others are out of electrons to power the magic of radio.
3C	Delvin Bunton (N7QMT): Now that you have your license, get on the air! Learn basic techniques, how to set up your VHF/UHF radio, and how to get on the HF bands.
3E	Steve Deines (N0TES): (De)Construction of a Small Transmitting Magnetic Loop Antenna. These antennas are small and very portable, just right for NPOTA, SOTA, and backyard fun.
4A	Roger Hunt (K7MEX): An introduction to two computer boards the size of a credit card which are quite different, and how each may be utilized with amateur radio.
4B	David Malin (AA6RV): Citizens Emergency Response Team (and similar organizations) provide local support during an emergency. Learn how you can help your friends and neighbors when nearly everyone needs help.
4C	Steve Hicks (N5AC): Learn how to use the Flex-6000 for contesting and Dxing fun. Join the SDR world for your hamming fun.
4D	Phil Sohn (K7APS): Learn some tried methods that attract youth to amateur radio. Help get the word out to youth about this fun and interesting hobby. Learn from successes.
4E	Richard Stubbs (Stubbs): MFJ grew from a small company with just a few products to thousands now. Most ham shacks have at least one MFJ product. Learn more about MFJ and what the future holds.
5A	Mike Ritz (W7VO): We all have internationally unique call signs, but how did they come to be? Learn more about an interesting aspect of our hobby.
5B	Jim Fenstermaker (K9JF): Learn how to chase awards of all kinds, and have fun doing it. Jim has sufficient paper to hang on many walls, and will show you some awards that can add to your on-the-air enjoyment.
5C	David Haworth (WA9ONY): Learn how to talk with others via the numerous ham satellites that orbit above us. Surprise your friends and family with a new skill for fun.

SEMINAR SUMMARIES

5D	John Petrich (W7FU): With Digital Signal Processing (DSP) you can improve your signal and dig out the "rare one". Learn how to improve your signal quality and enjoyment.
5E	Guy Hamblen (N7UN): Learn about the major awards programs for portable operators, from IOTA to SOTA to NPOTA, including picnic table and campsite operations. Perfect your portable "go bag" and have fun! Guest appearance of Peanut and Rooster of WG0AT fame
6A	Mike Ritz (W7VO): Many contesters use N1MM software to record their QSOs. Learn why, and how to use this amazing software. It can make your contesting fun, even if you only "dabble" with contests.
6B	John Petrich (W7FU): Software Defined Radio is entering the mainstream. Learn about a flexible transceiver that could be in your future....
6C	Nicole Crosby (N7XBY): Studies after high school can be expensive. Learn how you can qualify for scholarships to blunt the financial ding to your pocketbook.
6D	Phil Kane (K2ASP): Discuss aspects of the FCC rules in a Q&A format.
6E	Norm Fusaro (W3IZ): Logbook of the World links the two sides of a QSO using secure methods. Learn how to enroll, use it effectively, and track your progress towards fun awards.
7A	Bob Inderbitzen (NQ1R): Some resources and advice to help newcomers and all radio amateurs get more involved with Amateur Radio
7E	Dave Walton (W7CAR): 10m can go from "dead" to really alive in a short time. Learn what you need to have fun on this magic and fickle band.
8B	Marc Peterson (W7PM): Yaesu's C4FM technology provides interesting capability on FM. Learn how to take advantage of the possibilities.
8E	Norm Fusaro (W3IZ): Want to improve your station? Improve ergonomics, comfort, and ease of use. Learn from someone who constantly strives to improve his station.

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Register on-line: pacificnwdxconvention.com

Info: Al Rovner, K7AR - k7ar@arrl.net

Edward Stuckey, AI7H Idaho Section Manager

Ed Stuckey, AI7H, was originally licensed as KNØINT in 1957. During his working career, he was a Naval officer for six years, then an industrial engineer and project manager for Nestlé USA for 33 years, principally located in the Los Angeles area. In 2004, Ed and YL Renee moved to Idaho and they love it. Ed was elected the Idaho ARRL Section Manager in 2008, and spends oodles of time doing all the things that a SM does. Recent special attention has been focused on strengthening the emergency communications organization in the state. While not SM'ing, he is a local Elmer, getting two or three new hams established each year; and an avid home-brewer (of radio stuff), particularly interested in antenna and transmission line installation and safety. Operating activities include low-band DXing (especially 160 Meters), NTS nets, occasional contesting, and generally roaming the bands looking for a casual QSO, mostly on CW.



SEA-PAC Feedback

We appreciate feedback on your experience at SEA-PAC. To share it with us, send us an email with your comments to:

suggestions@seapac.org

Thank you for attending SEA-PAC 2016 and thank you in advance for taking the time to help us make SEA-PAC 2017 an even better experience!



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The 8th Annual STARS/SEARC

All You Can Eat Spaghetti Dinner

Everyone Welcome

Friday, June 3, 2015
from 5:00 p.m. to 8:00 p.m.

Bob Chisholm Center,
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Adults \$8 Children 7-12 \$6
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(This is not a SEA-PAC sponsored event)

Oregon Office of Emergency Management Communications Trailer



The Oregon Office of Emergency Management (OEM), located in Salem, Oregon, maintains an Emergency Communications Trailer, which may be used for Continuity Of Operations in the event that the OEM main facility is unusable for any reason. It is also used for events that necessitate a base of operations for Amateur Radio Emergency Services (ARES). The ARES unit located at the

OEM, call sign W7OEM, participates not only in disaster emergency communications, but significant state events as well, such as preparedness fairs, county airshows, marathons & disaster drills and exercises OEM coordinates state resources in the event a disaster exceeds the capability of a local or tribal government entity to respond to the disaster. It is vital that the state and the counties have a reliable way to communicate. The OEM primarily uses Amateur Radio volunteers (Hams) who staff this facility as a backup coordination and communications center.

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Ray Hollenbeck, KL1IL Alaska Section Manager



Ray A. Hollenbeck, KL1IL, was originally licensed in May 2002 as KL1IL and has kept the same call sign. Ray has been a member of both the Anchorage Amateur Radio Club and the Matanuska Amateur Radio Association and has worked communication events with both groups. Ray usually works over 20 events a year and has been active as an Emergency Coordinator for the City of Wasilla for several years now. Ray spent 18 years in the United States Army holding Infantry, Signal, Finance and Criminal Investigation positions during his 18 years of service. Ray retired from the State of Alaska in 2002. Ray is currently volunteering with the Matanuska-Susitna Borough Local Emergency Planning Committee as the Amateur Radio Representative. Ray has also been active in the local American Legion Post for the last 3 years.

Multnomah County ARES Trailer

MCARES created a plan to acquire and equip a standard 7x12 cargo trailer for use as a portable command station. Fundraising raised roughly \$35,000 in cash and equipment donations. The fundraising campaign was scheduled for November 2014 through January of 2015 and they raised roughly \$13,000 and was approved for a \$17,000 FEMA grant. From November 2014



through March 2016 ARES members and supporters put in close to 2000 hours of volunteer time in design, coordination and construction.

MCARES successfully completed the Trailer Project in March of 2016. A brief listing of the capabilities include: Five VHF/UHF radios, two all mode radios, dual propane 3000w generators with 2-3 days of fuel, battery backup for key systems, 24-36 hours of runtime, 150w solar battery maintenance system, PACTOR, packet and soundcard modes, dual wide-screen displays, 4800lb loaded weight, multiple HF and VHF antenna and mast systems, on-board spectrum analyzer, on board air conditioning and heating, plus room for four operator positions and up to 5-10 visitors (depending on age).

Amateur Radio Demonstration Station Ron O'Connor, KD7VIK



The Oregon Tualatin Valley Amateur Radio Club (OTVARC) will operate an amateur radio demonstration station, W7OTV, on Saturday, June 6th, from 9:00 am to 4:00 pm from the club's communication trailer. The station will be located near the front entrance at the Seaside Convention Center.

Amateur Radio Operators attending *SEA-PAC* are welcome to stop in and make a few contacts – or just come by for an eyeball QSO. Non-hams are welcome to observe – and operate – the station with the assistance of an experienced amateur licensee.

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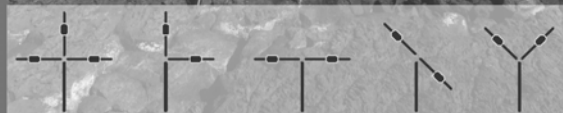
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Convention Meeting Schedule

Saturday

1000-1100	MARS Meeting	Conv Ctr — Seamist Room
1330-1500	National Traffic System (NTS) Meeting	Evergreen Masonic Lodge, 201 N Holladay
1605-1700	YL Forum: What's happening?	Conv Ctr — Seamist Room

Sunday

1000-1200	ARRL NW Division Cabinet Meeting	Conv Ctr — Seamist Room
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SEA-PAC Flea-Market

Please take time to visit the numerous "flea-marketeers" who brought ham treasures galore to share with others. Their excess might just be the thing you need for a project! You may also want to fill out a 'Yes' card to apply for space next year. The Fleamarket coordinators will be passing them out during the event. Please return the card to the Registration Desk before you leave. Throughout the year, please check the SEA-PAC web page periodically for the opening date for 2017 Fleamarket table registrations.



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Everett Curry, W6ABM Oregon Section Manager



Everett "EV" Curry, W6ABM, received his first amateur radio license in 1956 and is an Extra Class licensee. Everett's primary interests in amateur radio are public service and encouraging hams to get on the air and upgrade to the next level of license.

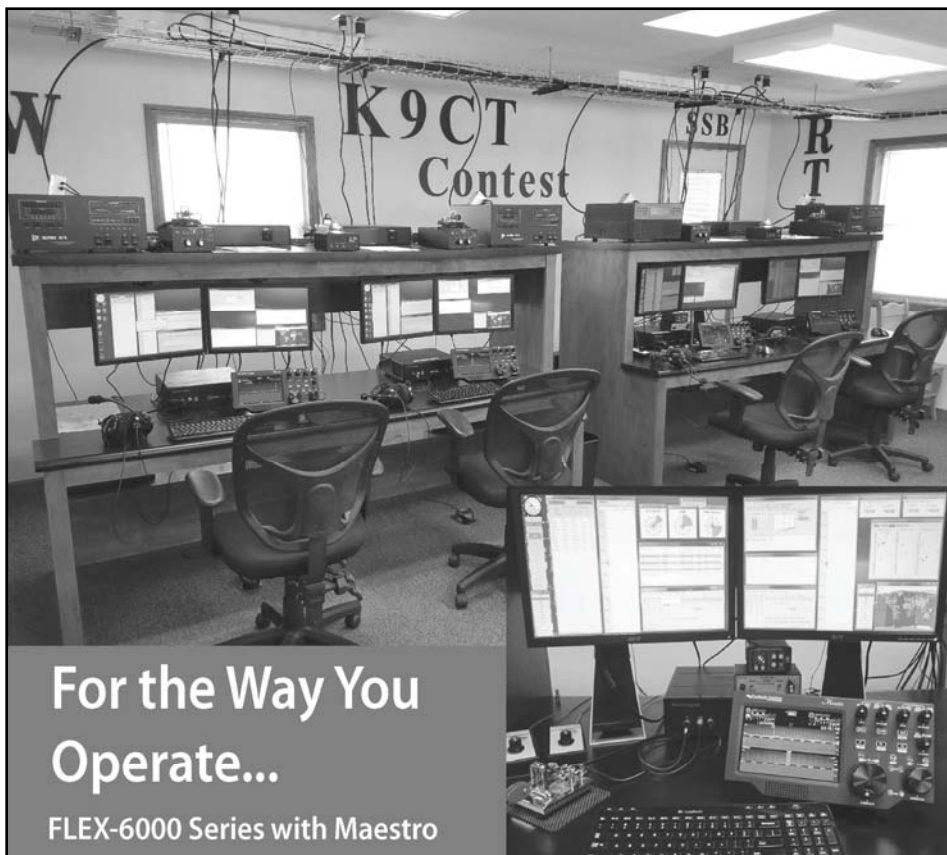
Everett is serving as Oregon Section Manager (January, 2014 - June 30, 2016). He serves OTVARC as editor for electronic communications, and has been Secretary for many years. He was recently elected to serve as the 24th President of the club. Everett has served as the Master of Ceremonies for the Annual *SEA-PAC* Banquet for eleven years.

Mickley/Berg Memorial Scholarship Recipient



Paul Farrier, AF7LE, is a lifelong radio enthusiast born and raised in Oregon. He began learning about electronics and radio as a young child, assembling radio kits at four years old and building his own circuits by ten. As a teenager, his interest was drawn to computers and, by 19, he was a self-taught Systems Administrator at a multinational PR firm. In his early thirties, Paul had a life-changing opportunity to re-evaluate his career path. He realized he still had an unfulfilled passion for theory and learning how the

scientific world operates that called him back to his favorite childhood interests, the science of nuclear and electromagnetic radiation, which are integral to the fields of power, medicine, engineering, and astrophysics. In response to his renewed interests, Paul started college and obtained his Technician License. He upgraded to General at *SEA-PAC* 2011 and to Amateur Extra in 2014. Paul is a member of the ARRL, OTVARC and the Willamette Valley DX Club. His favorite amateur radio activities include DXing, antenna building, QRP, 6M Aurora, and participating in Field Day. Paul will be receiving his Associate of Science degree with highest honors from Portland Community College in June 2016. He has been both a Calculus Tutor and Chemistry Lab Assistant at PCC, and is grateful for opportunities to help the students and staff of his college community. Paul will continue pursuing a Bachelor of Science in Physics with the intent to earn a doctorate in Nuclear Physics and to eventually work at a university as a researcher and instructor, sharing his love of learning with others. Paul's hope is to contribute to theoretical research leading to new power production systems, add to our knowledge of the forces of the atomic nucleus, and expand upon our current understanding of electromagnetic radiation and radio theory. Paul is extremely grateful to the amateur radio community for their continued encouragement and support of his educational goals.



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George Forsyth, AA7GS Montana Section Manager



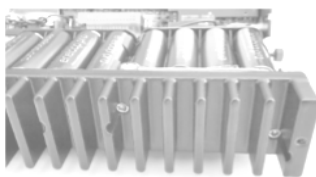
Licensed nearly 30 years, George is an Extra Class licensee. He has committed himself to build the Montana Section into a vibrant community where everyone is involved and recognized.

An ARRL Life Member with 26 years as a Volunteer Examiner. He served as President (five terms) of the Great Falls Area Amateur Radio club and Director of the Glacier/Waterton Hamfest.

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The Wilse Morgan, WX7P, Memorial ARRL Northwestern Division Scholarship

This scholarship fund has been endowed through the generosity of the members of the ARRL Northwestern Division in memory of Wilse Morgan, WX7P (SK). Wilse lived in Alaska and Washington and was deeply involved in ARRL and the many Amateur Radio activities in the Northwestern Division. Every year, a scholarship in Wilse's memory is awarded to an eligible young ham living in the Northwestern Division (Alaska, Idaho, Montana, Oregon, or Washington) active in emergency communications, contesting, DXing, or other Amateur Radio activities, and who is pursuing higher education to study engineering, medicine, science, or business.

To contribute to this scholarship, please go to www.arrl.org/arrl-foundation-donation-form or contact Lauren Clarke, KB1YDD, at lclarke@arrl.org or 860-594-0348.

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